

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A method of selecting of a path to establish a communication link between a first node and one of a plurality of access points of a wireless cellular telecommunication system, the wireless cellular telecommunication system having second nodes being adapted to serve as relay nodes, the method comprising the steps of:

receiving of data from at least one of the second nodes, the data being indicative of a first quality measure of a first path from the one of the second nodes to its access point,

comparing of a second quality measure of a second path from the first node to its access point with the first quality measure,

selecting of the first path to replace the second path if the first quality measure is superior to the second quality measure.

2. (currently amended): The method of claim 1, whereby the wireless cellular telecommunication systems is a ~~IEEE 802.11 type network, a GSM type network, a UMTS type network or a WLAN type network~~ system is a network utilizing an IEEE 802.11 standard, a GSM standard, a UMTS standard and a WLAN standard.

3. (original): The method of claim 1, further comprising scanning of a set of frequencies by the first node to receive the data.

4. (original): The method of claim 3, whereby the scan is performed repeatedly after certain time intervals, whereby the length of the time intervals is adapted to the second quality measure.

5. (previously presented): The method of claim 1, whereby the first and the second quality measures depend on a number of hops in the first path and in the second path, respectively.

6. (original): The method of claim 1, whereby the data is received by the first nodes on a pre-defined frequency.

7. (previously presented): A computer program product for selecting of a path to establish a telecommunication link between a first node and one of a plurality of access points of a wireless cellular telecommunication system, the wireless cellular telecommunication system having second nodes being adapted to serve as relay nodes, comprising program means for performing the steps of:

inputting of data which have been received from at least one of the second nodes, the data being indicative of a first quality measure of a first path from the one the second nodes to its access point,

comparing of a second quality measure of a second path from the first node to its access point with the first quality measure,

selecting of the first path to replace the second path if the first quality measure is superior to the second quality measure.

8. (currently amended): A mobile node for a wireless cellular telecommunication system, the wireless cellular telecommunication system having second nodes being adapted to serve as relay nodes, a first node of the telecommunication system comprising means for selecting of a path to establish a telecommunication link to one of a plurality of access points of the wireless cellular telecommunication systems by the steps of:

receiving of data from at least one of the second nodes, the data being indicative of a first quality measure of a first path from the one of the second nodes to its access point,

comparing of a second quality measure of a second path from the first node to its access point to the first quality measure,

selecting of the first path to a replace the second path if the first quality measure is superior to the second quality measure.

9. (original): The mobile node of claim 8, whereby the first and second quality measures depend on the number of hops in the first path and in the second path to the respective access points.

10. (original): A wireless cellular telecommunication system having a plurality of access points, a first node and a plurality of second nodes being adapted to serve as relay nodes, the first node comprising means for performing the steps of:

receiving of data from at least one of the second nodes, the data being indicative of a first quality measure of a first path from the one of the second nodes to its access point,

comparing of a second quality measure of a second path from the first node to its access point with the first quality measure,

selecting of the first path to replace the second path if the first quality measure is superior to the second quality measure.

11. (previously presented): The method according to claim 1, wherein the comparing comprises comparing the second quality measure of the second path, from the first node to the access point of the first node, with the first quality measure of the first path, from the second node to the access point of the second node.

12. (previously presented): The method according to claim 1, wherein the access point comprises one of a base transceiver station and a node-B.

13. (previously presented): The method according to claim 1, wherein said second node comprises a wireless relay node.

14. (previously presented): The method according to claim 1, wherein the method comprises selecting the path to establish the communication link between the first node and one of among the plurality of access points of a wireless cellular telecommunication system.

15. (currently amended): The method according to claim 1, wherein the access point of the at least one of the second ~~node~~nodes, which is a first access point, is different from the access point of the first node, which is a second access point.